

Title (en)

INDUCTOR HAVING HIGH CURRENT COIL WITH LOW DIRECT CURRENT RESISTANCE

Title (de)

INDUKTOR MIT HOCHSTROMSPULE MIT NIEDRIGEM GLEICHSTROMWIDERSTAND

Title (fr)

BOBINE D'INDUCTANCE COMPRENANT UNE BOBINE À COURANT ÉLEVÉ PRÉSENTANT UNE FAIBLE RÉSISTANCE AU COURANT CONTINU

Publication

EP 3507816 A4 20200226 (EN)

Application

EP 17847450 A 20170830

Priority

- US 201662382182 P 20160831
- US 2017049332 W 20170830

Abstract (en)

[origin: US2018061547A1] An inductor and method for making the same are provided. The inductor includes a coil formed from a conductor and having a serpentine shape. The coil may have an "S"-shape. The coil has two leads extending from opposite ends of the coil. An inductor body surrounds the coil and portions of the leads. The leads may be wrapped around the body to create contact points on the exterior of the inductor.

IPC 8 full level

H01F 27/28 (2006.01); **H01F 5/00** (2006.01); **H01F 17/04** (2006.01); **H01F 27/00** (2006.01); **H01F 27/29** (2006.01); **H01F 27/30** (2006.01); **H01F 38/14** (2006.01)

CPC (source: CN EP KR US)

H01F 17/00 (2013.01 - CN); **H01F 17/0013** (2013.01 - KR); **H01F 17/04** (2013.01 - EP KR US); **H01F 27/24** (2013.01 - US); **H01F 27/255** (2013.01 - KR US); **H01F 27/28** (2013.01 - US); **H01F 27/2804** (2013.01 - KR US); **H01F 27/2828** (2013.01 - CN); **H01F 27/2852** (2013.01 - CN EP KR US); **H01F 27/292** (2013.01 - CN EP KR US); **H01F 27/306** (2013.01 - EP KR US); **H01F 41/0246** (2013.01 - US); **H01F 41/04** (2013.01 - CN US); **H01F 41/041** (2013.01 - KR US); **H01F 2017/0073** (2013.01 - KR); **H01F 2027/2857** (2013.01 - EP KR)

Citation (search report)

- [X] US 2007252669 A1 20071101 - HANSEN THOMAS T [US], et al
- [I] JP H05258959 A 19931008
- [XA] US 2010007453 A1 20100114 - YAN YIPENG [CN], et al
- [X] US 2006049906 A1 20060309 - LIU CHUN-TIAO [TW], et al
- [X] US 2010271161 A1 20101028 - YAN YIPENG [CN], et al
- [A] US 2013181803 A1 20130718 - WYVILLE MARK WILLIAM [CA]
- [A] US 2016217914 A1 20160728 - KIM YU NA [KR], et al
- [X] JP H06283338 A 19941007 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP H0655211 U 19940726
- See references of WO 2018045007A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10854367 B2 20201201; **US 2018061547 A1 20180301**; CA 3035547 A1 20180308; CN 109891530 A 20190614; CN 109891530 B 20230502; CN 116344173 A 20230627; EP 3507816 A1 20190710; EP 3507816 A4 20200226; JP 2019530217 A 20191017; JP 2022185088 A 20221213; JP 7160438 B2 20221025; KR 102464202 B1 20221104; KR 102571361 B1 20230825; KR 20190040349 A 20190417; KR 20220153108 A 20221117; MX 2019002447 A 20190624; TW 201826294 A 20180716; TW 202223933 A 20220616; TW I757330 B 20220311; TW I789230 B 20230101; US 11049638 B2 20210629; US 11875926 B2 20240116; US 2020035413 A1 20200130; US 2021193360 A1 20210624; WO 2018045007 A1 20180308

DOCDB simple family (application)

US 201715692134 A 20170831; CA 3035547 A 20170830; CN 201780066826 A 20170830; CN 202310385022 A 20170830; EP 17847450 A 20170830; JP 2019512201 A 20170830; JP 2022161470 A 20221006; KR 20197009249 A 20170830; KR 20227038405 A 20170830; MX 2019002447 A 20170830; TW 106129761 A 20170831; TW 111103993 A 20170831; US 2017049332 W 20170830; US 201916289109 A 20190228; US 202017106718 A 20201130